

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number  
**WO 2004/110516 A3**

(51) International Patent Classification<sup>7</sup>: **A61N 1/362**

(21) International Application Number:  
**PCT/IL2004/000520**

(22) International Filing Date: 16 June 2004 (16.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
156452 16 June 2003 (16.06.2003) IL

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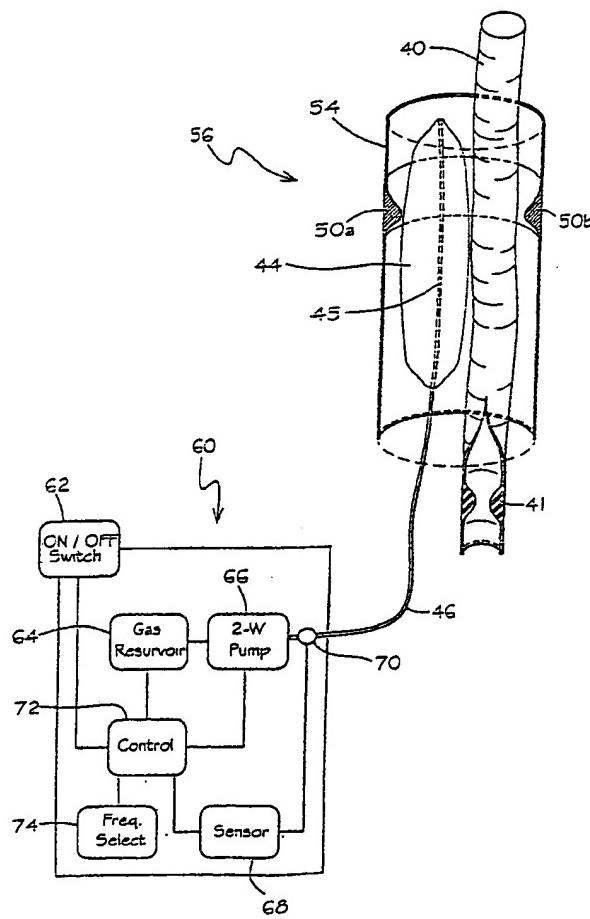
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: PERI-ARTERIAL BLOOD FLOW BOOSTER



(57) Abstract: A peri-arterial blood flow booster apparatus for improving blood pressure and flow, to be implanted around a blood vessel of a patient. The booster comprises a pressure applying device (56) comprising at least one balloon (44), placed alongside a portion of the blood vessel and a restrainer (54) for restraining the balloon and providing counter-forces. It further comprises a control console (60) comprising: an inflating unit (66) for rapidly inflating and deflating the balloon, the inflating unit connected to the balloon; sensing means (68) for sensing electrocardiograph signals of the patient; a control unit (72) for controlling the operation of the inflating unit correlating to the electrocardiograph signals detected by the sensing means. When the balloon is inflated the restrainer forces it to compress the portion of the blood vessel preventing backflow and exerting forces on the blood vessel forcing blood within the portion of the blood vessel to flow antegradely.

**WO 2004/110516 A3**



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
7 April 2005

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number  
**WO 2004/110516 A2**

(51) International Patent Classification<sup>7</sup>:

**A61M**

(72) Inventor; and

(21) International Application Number:

PCT/IL2004/000520

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(22) International Filing Date: 16 June 2004 (16.06.2004)

(74) Agent: **MILLER - SIERADZKI ADVOCATES & PATENT ATTORNEYS; P.O.B. 6145, 31061 HAIFA (IL).**

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English

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(26) Publication Language:

English

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(30) Priority Data:

156452

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CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

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GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

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KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

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PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

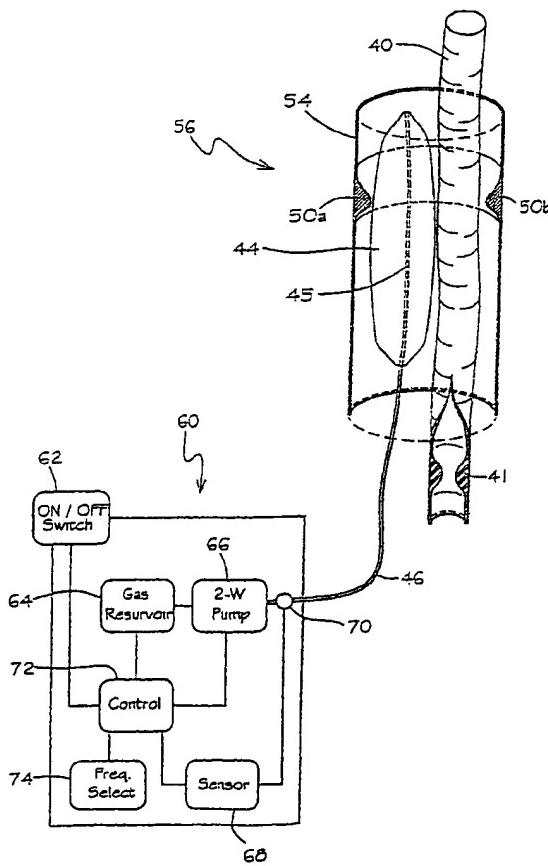
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SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished  
upon receipt of that report

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